

WHAT IS CLAIMED IS:

1. A grinding machine, comprising:
 - a) a mill box;
 - b) a grinding drum positioned within the mill box;
 - c) a feed table for transporting material to the mill box, the feed table defining a transport plane; and
 - d) an anvil oriented generally parallel to the grinding drum, the anvil having a first surface and a second surface, the first and second surfaces defining a wedge-shaped portion, the anvil being oriented such that the first surface of the wedge-shaped portion is generally aligned with the transport plane of the feed table.
2. The grinding machine of claim 1, wherein the first surface is aligned with the transport plane of the feed table such that the first surface is a planar extension of the transport plane of the feed table.
3. The grinding machine of claim 1, wherein the anvil is oriented to provide an increasing clearance distance between feed table and the second surface of the anvil.
4. The grinding machine of claim 1, wherein the anvil further includes a third surface extending at an angle from the first surface.
5. The grinding machine of claim 4, wherein the first and third surface meet at an edge, the arrangement of the edge of the anvil in relation to the grinding drum defining a minimum clearance gap between the anvil and the grinding drum.
6. The grinding machine of claim 4, wherein the third surface is generally parallel to the second surface.

7. The grinding machine of claim 4, wherein the anvil has a maximum thickness defined between the third surface and the second surface.
8. The grinding machine of claim 1, wherein the anvil is made of a solid construction.
9. The grinding machine of claim 1, wherein the anvil has first and second ends, each of the first and second ends extending outside of the mill box.
10. The grinding machine of claim 9, further including a mounting arrangement having clamp arms, the clamp arms being configured to secure the first and second ends of the anvil at a location outside of the mill box.
11. The grinding machine of claim 1, further including a mounting arrangement configured to mount the anvil in relation to the feed table, the mounting arrangement including a first support surface configured to support an end of the feed table and a second support surface configured to support the anvil.
12. A grinding machine, comprising:
 - a) a mill box having opposite sides, the opposite sides of the mill box defining a grinding width, each of the sides defining an aperture;
 - b) a grinding drum positioned within the mill box;
 - c) a wedge-shaped anvil located adjacent to the grinding drum, the wedge-shaped anvil being positioned within the apertures of each of the sides of the mill box, the anvil having a length greater than the grinding width of the mill box such that ends of the anvil extend beyond the sides of the mill box.
13. The grinding machine of claim 12, wherein the wedge-shaped anvil is made of a solid construction.

14. The grinding machine of claim 12, further including a mounting arrangement having clamp arms, the clamp arms being configured to secure the ends of the anvil when positioned within the apertures of each of the sides of the mill box.

15. The grinding machine of claim 12, further including a feed table for transporting material to the mill box.

16. The grinding machine of claim 15, further including a mounting arrangement, the mounting arrangement including a first support surface configured to support an end of the feed table and a second support surface configured to support the anvil.

17. The grinding machine of claim 16, wherein the second support surface is located outside of the mill box of the grinding machine.

18. A mounting arrangement for a grinding machine, the grinding machine including a grinding drum positioned within a mill box, a feed table for transporting material to the mill box, and an anvil, the mounting arrangement comprising:

- a) a mounting arrangement including an adaptor, the adaptor having:
 - i) a first support surface configured to support an end of the feed table; and
 - ii) a second support surface configured to support the anvil.

19. The mounting arrangement of claim 18, wherein the second support surface is a planar support surface, and the first support surface is an annular bearing support surface.

20. The mounting arrangement of claim 18, further including a clamp arm, the clamp arm being arranged to secure the anvil in a position relative to the second support surface of the adaptor.

21. A grinding machine, comprising:

- a) a mill box having opposite sides, the opposite sides of the mill box defining a grinding width, each of the sides defining an aperture;
- b) a grinding drum positioned within the mill box;
- c) an anvil located adjacent to the grinding drum, the anvil being positioned within the apertures of each of the sides of the mill box, the anvil having a length greater than the grinding width of the mill box such that ends of the anvil extend beyond the sides of the mill box; and
- d) a mounting arrangement configured to clamp upon the ends of the anvil that extend beyond the sides of the mill box to mount the anvil adjacent to the grinding drum when positioned within the apertures of each of the sides of the mill box.

22. The grinding machine of claim 21, wherein the anvil is wedge-shaped.

23. The grinding machine of claim 21, wherein anvil is made of a solid construction.

24. The grinding machine of claim 21, wherein the mounting arrangement includes clamp arms, the clamp arms being configured to contact the ends of the anvil when positioned within the apertures of each of the sides of the mill box.

25. The grinding machine of claim 21, further including a feed table for transporting material to the mill box.

26. The grinding machine of claim 25, wherein the mounting arrangement includes a first support surface configured to support an end of the feed table and a second support surface configured to support the anvil.

27. The grinding machine of claim 26, wherein the second support surface is located outside of the mill box of the grinding machine.